



DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

NOV 10 2005

Food and Drug Administration  
2098 Gaither Road  
Rockville MD 20850

Ms. Penny White, RAC  
Diagnostic Chemicals Limited  
16 McCarville Street  
Charlottetown, PE Canada  
C1E 2A6

Re: k051757  
Trade/Device Name: Calcium ADVANCE Assay  
Regulation Number: 21 CFR 862.1145  
Regulation Name: Calcium test system  
Regulatory Class: Class II  
Product Code: CJY  
Dated: October 27, 2005  
Received: October 28, 2005

Dear Ms. White:

We have reviewed your Section 510(k) premarket notification of intent to market the device referenced above and have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act) that do not require approval of a premarket approval application (PMA). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.

If your device is classified (see above) into either class II (Special Controls) or class III (PMA), it may be subject to such additional controls. Existing major regulations affecting your device can be found in Title 21, Code of Federal Regulations (CFR), Parts 800 to 895. In addition, FDA may publish further announcements concerning your device in the Federal Register.

Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act or any Federal statutes and regulations administered by other Federal agencies. You must comply with all the Act's requirements, including, but not limited to: registration and listing (21 CFR Part 807); labeling (21 CFR Parts 801 and 809); and good manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820).

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This letter will allow you to begin marketing your device as described in your Section 510(k) premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus, permits your device to proceed to the market.

If you desire specific information about the application of labeling requirements to your device, or questions on the promotion and advertising of your device, please contact the Office of In Vitro Diagnostic Device Evaluation and Safety at (240) 276-0484. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21CFR Part 807.97). You may obtain other general information on your responsibilities under the Act from the Division of Small Manufacturers, International and Consumer Assistance at its toll-free number (800) 638-2041 or (301) 443-6597 or at its Internet address <http://www.fda.gov/cdrh/industry/support/index.html>.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Alberto Gutierrez", with a stylized flourish at the end.

Alberto Gutierrez, Ph.D.

Director

Division of Chemistry and Toxicology

Office of In Vitro Diagnostic Device

Evaluation and Safety

Center for Devices and

Radiological Health

Enclosure

## Indications for Use

510(k) Number (if known): K051757

Device Name: Calcium-ADVANCE Assay

Indications For Use:

***For the quantitative determination of Total Calcium in serum, plasma (Lithium Heparin) and urine. For IN VITRO diagnostic use.***

**Identification.** A calcium test system is a device intended to measure total calcium in serum, plasma (Lithium Heparin) and urine. Calcium measurements are used in the diagnosis and treatment of hypercalcemia as a result from hyperparathyroidism, hypervitaminosisD, multiple myeloma and some neoplastic diseases of the bones. It is also used in the diagnosis and treatment of hypocalcemia as a result from hypoparathyroidism, steatorrhea, nephrosis, nephritis and pancreatitis

Prescription Use   X    
(Part 21 CFR 801 Subpart D)

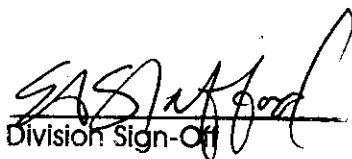
AND/OR

Over-The-Counter Use \_\_\_\_\_  
(21 CFR 807 Subpart C)

(PLEASE DO NOT WRITE BELOW THIS LINE-CONTINUE ON ANOTHER PAGE IF NEEDED)

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Concurrence of CDRH, Office of In Vitro Diagnostic Devices (OIVD)

  
Division Sign-Off

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Office of In Vitro Diagnostic  
Device Evaluation and Safety

510(k) K051757